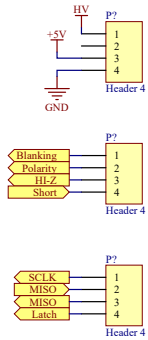


The outputs of the HV513 are actually push-pull, not open drain. If we wanted to use them like open drain, when the cathodes are off (high) there may be a chance of current flowing backwards from one of the off cathodes to the cathode that is currently on. Using a mid-rail voltage as the off level should prevent this from occurring.



MSB												LSB											
23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
LDP	RDP	9	8	7	6	5	4	3	2	1	0	LDP	RDP	9	8	7	6	5	4	3	2	1	0
Tube 1												Tube 2											